

BEST AVAILABLE COPY

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
23 June 2005 (23.06.2005)

PCT

(10) International Publication Number
WO 2005/057007 A1

(51) International Patent Classification⁷: F03C 1/053, F16H 21/20, F16C 3/28 (74) Agent: GRIFFITH HACK; 509 St Kilda Road, Melbourne, VIC 3004 (AU)

(21) International Application Number: PCT/AU2004/001765 (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

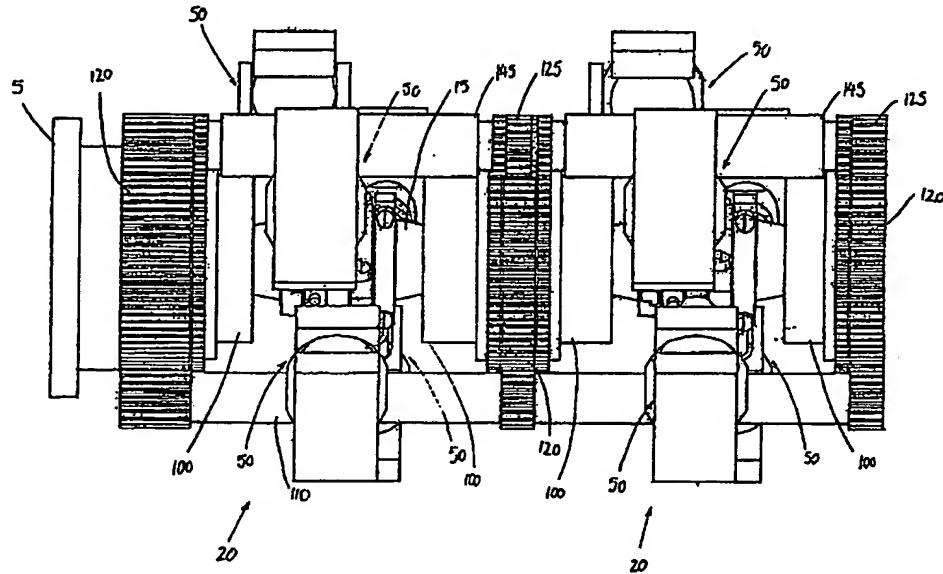
(22) International Filing Date: 15 December 2004 (15.12.2004) (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(25) Filing Language: English (26) Publication Language: English

(30) Priority Data: 2003906932 15 December 2003 (15.12.2003) AU (72) Inventor; and (75) Inventor/Applicant (for US only): DAVIES, Garth [AU/AU]; P.O. Box 386, Somerville, VIC 3912 (AU). Published: — with international search report

{Continued on next page}

(54) Title: HYDRAULIC MOTOR/PUMP



(57) Abstract: A hydraulic machine which can exchange hydraulic fluid pressure with rotational motion of an input/output means (5), having a radial arrangement of a plurality of hydraulic piston and cylinder assemblies (50) about a crankshaft (15), the hydraulic cylinder and piston assemblies (50) being longitudinally spaced along the crankshaft (15); and means for varying eccentricity (100) of the crankshaft (15) whereby reciprocal motion of the pistons within the respective hydraulic cylinders is consequential to rotational motion of the crankshaft (15) about the longitudinal axis of the crankshaft (15).

WO 2005/057007 A1

BEST AVAILABLE COPY

WO 2005/057007 A1



For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.